

North Central Texas
Council of Governments

Breakout Station #5

Stakeholder Engagement



Funded by the Texas General Land Office,
Community Development Block Grant,
Disaster Recovery Program.



Also Funded by the Texas Water Development Board
and Texas Department of Transportation.

Questions?

https://www.nctcog.org/getattachment/b76f5262-bef2-433c-b5f8-c5757140b6c6/TSI_FAQ_v03.pdf



LOCAL GOVERNMENT FAQ

What is the integrated Transportation and Stormwater Infrastructure (TSI) study?

This planning study coordinates transportation planning, stormwater management, and environmental planning to mitigate flooding risks and optimize infrastructure while supporting sustainable development. The study will recommend tools and best practices to address community health, safety, and growth. The study is led by the North Central Texas Council of Governments with support from local, state, and federal partner agencies.

How will the study help protect the safety of people and property in my community?

The TSI study will provide models of current and future flood risks and maps of potential locations for stormwater detention and green stormwater infrastructure. Additionally, the study will recommend strategies to improve the resiliency and siting of current and future transportation infrastructure. This will be accomplished using advanced hydrology and hydraulics modeling and future growth scenarios. Additionally, the study will recommend improvements to real-time flood warning systems to ensure communities stay informed during emergencies.

What regulatory tools or guidance will the TSI study produce?

The study will recommend model regulatory tools, including example development code and floodplain management ordinances. In some communities, data produced by the study may be the best available flood hazard information for mitigation and recovery decisions. The study will identify ways local governments can utilize green infrastructure and nature-based solutions in development and planning processes. The study will provide guidance on integrating transportation

KEY TERMS

Community:

A local government or political entity that adopts and enforces ordinances, orders, or regulations applicable to the area under its jurisdiction.

Flood Warning Systems:

Systems that provide real-time data and alerts regarding flood risks. They are designed to monitor flood events, enabling communities to take timely actions to protect lives and property.

Green Stormwater Infrastructure:

Vegetation and soil systems that have been engineered to improve urban flood management and water quality by mimicking natural hydrological processes.

Hydrology:


The study of water in the environment, focusing on its distribution, movement, and properties. It involves understanding how water interacts with the land, atmosphere, and ecosystems, as well as its role in natural processes like precipitation, runoff, infiltration, and groundwater flow.

National Flood Insurance Program (NFIP)

- NCTCOG to launch outreach to non-participating communities
- One inch of water can cause more than \$25,000 in damage
- Most standard insurance policies do NOT cover flood damage



County Government Workshop (July 31, 2025)



The slide features the TSI logo (integrating Transportation & Stormwater Infrastructure) and the North Central Texas Council of Governments logo. The main title is "Transportation and Stormwater Infrastructure Study" in large white text, with "County Government Workshop | July 31, 2025" below it in green. At the bottom, it lists funding sources: the Texas General Land Office, Community Development Block Grant, Disaster Recovery Program, and the Texas Water Development Board and Texas Department of Transportation. A video feed on the right shows a speaker at a podium, and a participant list on the left includes names like Jeffrey N., Reza Lim, YJ, HF, DK, AR, JF, JR, JV, KH, EB, and +20.

TSI integrating Transportation & Stormwater Infrastructure

North Central Texas Council of Governments

Transportation and Stormwater Infrastructure Study

County Government Workshop | July 31, 2025

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AGENDA

TSI County Government Workshop
July 31, 2025
1 p.m. - 4 p.m., NCTCOG Offices (Hybrid)
Transportation Council Room, 616 Six Flags Dr
Arlington, TX 76011



Time	Topic	Speaker
1:00p-1:10p	Welcome and Introductions	Sue Alvarez, PE, CFM, NCTCOG
1:10p-1:20p	Introduction to the TSI Study and Goals; Pre-Workshop Survey	Kate Zielke, CFM, NCTCOG
1:20p-1:40p	Importance of County Watershed & Stormwater Management <ul style="list-style-type: none">Recap of 2017 RoundtableSynergies Between TSI and SWMP	Kate Zielke Sue Alvarez
1:40p-2:20p	Waterfront Property No One Wants: How Counties Can Reduce Flood Risk through Sustainable Growth	Stephanie Griffin, PE, CFM, F.ASCE, Halff
2:20p-2:30p	Break	
2:30p-2:45p	Transportation Resilience in the Face of Growth, Flooding, and Limited Funding	Brendon Wheeler, PE, CFM, NCTCOG
2:45p-3:00p	I HATE CHANGE	Chad Davis, PE, CFM, Wise County
3:00p-3:15p	How Dallas County uses Higher Stormwater and Floodplain Management Standards	Lissa Shepard, PE, CFM, Dallas County
3:15-3:30	Protecting Sponsors' Land Rights Regarding Floodwater Retarding Structures	Jilane L. Carper, Collin County Soil & Water Conservation District
3:30p-3:55	Roundtable Discussion	NCTCOG
3:55-4:00	Post-Workshop Survey	NCTCOG

CFM Continuing Education Credits:

Attendees are eligible for 2.6 CECs from Texas Floodplain Management Association



Upstream/Downstream Workshop

- Date: TBD
- Opportunity for neighboring communities to discuss growth and future collaboration
- To participate, please email tsi@nctcog.org or khunter@nctcog.org

Model Ordinance & Code Workshop

- Date: January 2026
- Seeking City/Town/County staff input on model ordinance/code/policy language
- To participate, please email tsi@nctcog.org or sconrad@nctcog.org



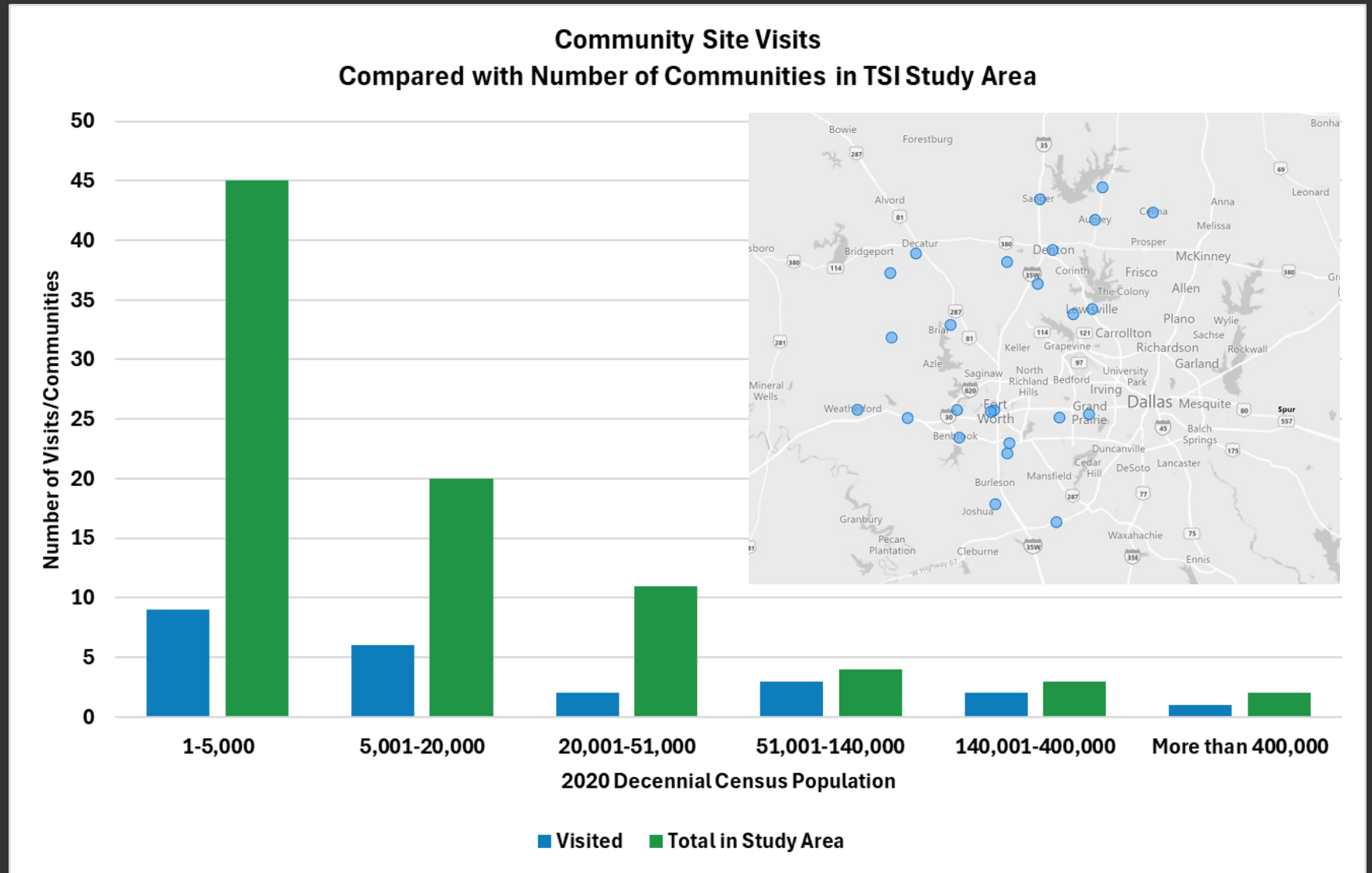
Technology Advisory Group (TAG)

- Date: December 2025
- Provide input to the TSI Study team regarding policy, outreach, data, and challenges that communities face.
- To participate, please email tsi@nctcog.org or kzielke@nctcog.org



Community Site Visits

To schedule a site visit, please email tsi@nctcog.org or kzielke@nctcog.org



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Website



Story Map

